

The 9th INTERNATIONAL CONFERENCE ON CHILDREN'S HEALTH AND THE ENVIRONMENT (INCHES) - Oral Session					
Start	End	Day1 (6/27)			
10:30	12:00	Code 1. Exposure factors and children's health (Chair: Hae-Kwan Cheong, Myriam Tobollik)			
		Code	Authors	Affiliation	
				Abstract title	
		O01-1	Else Toft Würtz ¹ , Johnni Hansen ² , Oluf Dimitri Røe ^{3,4,5} , Øyvind Omland ^{1,6}	Aalborg University Hospital Department of Occupational Medicine, Danish Ramazzini Centre ¹ , Danish Cancer Society Danish Cancer Society Research Center ² , Levanger Hospital, Nord-Trøndelag Health Trust Cancer Clinic ³ , Norwegian University of Science and Technology Department of Clinical Research and Molecular Medicine ⁴ , Aalborg University Hospital Clinical Cancer Research Center, Department of Clinical Medicine ⁵ , Aalborg University Department of Clinical Medicine	Environmental childhood asbestos exposure and hematologic malignancies – a Danish register study
		O01-2	Jungkwan Seo	National Institute of Environmental Health Risk Assessment Division	Korean Child-specific Exposure Factors for Risk Assessment
		O01-3	Myriam Tobollik, Dietrich Plass	German Environment Agency Exposure assessment and environmental health indicators	Challenges in assessing the risk of environmental factors on children's health – the example of particulate matter in ambient air
		O01-4	Dimitris Panagiotis Chapizanis ¹ , Spyros Panagiotis Karakitsios ^{1,2} , Denis Andreas Sariqiannis ^{1,2}	Aristotle University of Thessaloniki Chemical Engineering ¹ , University of Pavia Institute for Advanced Study ²	A personal exposure agent-based model with the capacity for aggregation at various levels of population size
		O01-5	Vinitha Vincent ¹ , Yuvaraj Selvaraj ¹ , Janani Selvaraj ¹ , Prashanthi Devi Marimuthu ¹	Bharathidasan University Environmental Management ¹	GIS Based Application to Access Malnutrition among Under Five Children in Tiruchirappalli Region of TamilNadu, India
10:30	12:00	Code 2. Exposure Monitoring technology (Chair: Yun-Chul Hong, Beate Ritz)			
		Code	Authors	Affiliation	
				Abstract title	
		O02-1	Miyoung Lim ¹ , Ji Young Park ² , Kiyoun Lee ^{1,2}	Seoul National University Graduate School of Public Health ¹ , Seoul National University Institute of Health and Environment ²	Estimation of children's dermal exposure to preservatives in modelling clays and slimes
		O02-2	Garry Codling ¹ , Veronkia Schacht ¹ , Alin Ionas ¹ , Jiri Palat ¹ , Ana Miralles-Marco ¹ , Jana Klanova ¹	Masaryk University RECETOX ¹	Investigation of Serum from Oncology Patients under 18 years of age by High-Resolution Mass Spectrometry in Full Scan Acquisition
		O02-3	Mallanagouda M Patil ¹ , Bhavana B Lakhkar ² , Shankargouda V Patil ³	BLDE (Deemed To Be University) Vijayapur Karnataka India 586103 Pediatrics ¹ , BLDE (Deemed To Be University) Vijayapur Karnataka India 586103 Pediatrics ² , BLDE (Deemed To Be University) Vijayapur Karnataka India 586103 Pediatrics ³	Profile of Childhood Poisoning at a Tertiary Care Centre in Vijayapur
		O02-4	Ahmet Ozgur Dogru ¹ , Asli Kahraman ² , Dursun Zafer Seker ¹ , Nuket Sivri ³	ITU, Istanbul Technical University Department of Geomatics Engineering ¹ , ITU, Istanbul Technical University Informatics Institute ² , Istanbul University Environmental Engineering ³	GIS Based Evaluation of Environmental Indicators on Children Health in Turkey
		O02-5	Chen I Chun ¹ , Chang Chia Huang ¹ , Yu Ching Jung ¹ , Du Jung Chieh ² , Chiou Hsien Chih ³ , Yang Winnie ⁴ , Chen Ying Sheue ⁵ , Hwang Betau ³ , Mao I Fang ⁶ , Chen Mei Lien ¹	National Yang Ming University, School of Medicine, Institute of Environmental and Occupational Health Sciences ¹ , Taipei City Hospital, Zhongxiao branch, Pediatrics ² , Taipei City Hospital, Songde branch, Child and Adolescent Psychiatry ³ , Taipei City Hospital, Yangming branch, Pediatrics ⁴ , Taipei Veterans General Hospital, Psychiatry ⁵ , Chung Shan Medical University, Occupational Safety and Health ⁶	Urinary concentrations of acrylamide and acrolein metabolites of children in Taiwan
		O02-6	Kwok Kei Mak ¹ , Dongil Kim ² , Karin JeeEun Nam ² , Hiroko Watanabe ³	Seton Hall University School of Health and Medical Sciences ¹ , Seoul National University Department of Education ² , Osaka University Department of Children and Women's Health ³	Exercise and Substance Use among Adolescents in Five Asian Countries: Individual-Level Association with Health Perception and Ecological Association with Socioeconomic Status
14:15	15:45	Code 3. Developing countries and CEH (Chair: Rokho Kim, Jerome A Paulson)			
		Code	Authors	Affiliation	
				Abstract title	
		O03-1	John Yabe ¹ , Haruya Toyomaki ² , Shouta MM Nakayama ² , Yared B Yohannes ² , Hokuto Nakata ² , Kaampwe Muzandu ¹ , Andrew Kataba ^{1,2} , Jack Caravanos ³ , Yoshinori Ikenaka ² , Mayumi Ishizuka ²	University of Zambia Paraclinical Studies ¹ , Hokkaido University Toxicology Laboratory ² , Hokkaido University Toxicology Laboratory ³ , Hokkaido University Toxicology Laboratory ⁴ , Hokkaido University Toxicology Laboratory ⁵ , University of Zambia, School of Veterinary Medicine Biomedical Sciences Department ⁶ , University of Zambia, School of Veterinary Medicine Biomedical Sciences Department ⁷ , PureEarth PureEarth ⁸ , Hokkaido University Toxicology Laboratory ⁹ , Hokkaido University Toxicology Laboratory ¹⁰	Current Trends of Childhood Blood Lead Levels and Exposure Patterns in Kabwe, Zambia
		O03-2	Paramesh Haralappa ¹ , Rashmi Cherian Paramesh ²	Lakeside Center for Health Promotion Pediatric Pulmonology & Environmental Health ¹ , Lakeside Center for Health Promotion Department of Pediatrics ²	Impact of Community Education and Social determinants on Air pollution in Controlling and Preventing Airway Diseases in Children
		O03-3	Carmen M Velez-Vega ¹ , Zaira Rosario-Pabon ² , Colleen Murphy ¹ , Phil Brown ³ , Jose Cordero ² , John Meeker ⁴ , Akram Alshawabkeh ⁵	University of Puerto Rico Medical Sciences Campus School of Public Health ¹ , University of Georgia College of Public Health ² , Northeastern University Social Science and Environmental Health Research Institute ³ , University of Michigan School of Public Health ⁴ , Northeastern University College of Engineering ⁵	Community Engagement and Research Translation to PROTECT Environmental Health for Mothers and Infants in Puerto Rico
		O03-4	Oyunchimeg M.1, Burmaajav B.2	1National Center for Public Health 2Mongolian Academy of Medical Sciences	Correlation between soil bacterial contamination and diarrheal diseases among children aged 0-5 years in Ulaanbaatar city
		O03-5	Hari Datt Joshi ¹	Tri-Chandra Multiple Campus, Tribhuvan University, Kathmandu Department of Environmental Science ¹	Children Environmental Health Situation in Nepal

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Start	End	Day1 (6/27)			
14:15	15:45	Code 4. Ignite Code (Chair: Ruth A. Etzel, Peter van den Hazel)			
		Code	Authors	Affiliation	
				Abstract title	
		O04-1	Yun-Chul Hong	Seoul National University College of Medicine	Pre- and Postnatal exposure to bisphenol A and phthalate in relation to neuro-development of children
		O04-2	Peter van den Hazel	INCHES	Susceptible window period to heavy metal exposure
		O04-3	Ruth A. Etzel	Office of Children's Health Protection U.S. Environmental Protection Agency	How to best engage clinicians in prevention of exposures to children: Specialists or generalists?
		O04-4	Youn-Hee Lim	Seoul National University College of Medicine	short biological half-life of bisphenol A and trajectory analysis
		O04-5	Sungkyun Kim	Seoul National University Graduate School of Public Health	Different biological half-lives among chemicals
16:00	17:30	Code 5. Cognitive development of children in relations to environmental exposures (Chair: Eunhee Ha, Kinga Polanska)			
		Code	Authors	Affiliation	
				Abstract title	
		O05-1	Xiaoqi Feng ^{1,2} , Thomas Astell-Burt ^{1,2}	University of Wollongong Population Wellbeing and Environment Research Lab (PowerLab), Faculty of Social Sciences ¹ , University of Sydney Menzies Centre for Health Policy ²	Green space quantity and quality matter for child mental wellbeing: a multilevel longitudinal study
		O05-2	Woo-Seok Lee ¹ , Youn-Hee Lim ² , Bung-Nyun Kim ³ , Choong Ho Shin ⁴ , Young Ah Lee ⁴ , Johanna Inhyang Kim ³ , Yun-Chul Hong ^{1,2,5}	Seoul National University College of Medicine, Seoul 03080 Department of Preventive Medicine ¹ , Seoul National University Medical Research Center, Seoul 03080 Institute of Environmental Medicine ² , Seoul National University College of Medicine, Seoul 03080 Division of Child and Adolescent Psychiatry, Department of Psychiatry ³ , Seoul National University College of Medicine, Seoul 03080 Department of Pediatrics ⁴ , Seoul National University College of Medicine, Seoul 03080 Environmental Health Center ⁵	Pyrethroid pesticide is Associated with Attention Deficit/Hyperactivity Disorder symptom in 4-year old children
		O05-3	Mihye Lee ¹ , Mina Ha ²	St. Luke's Int'l University School of Public Health ¹ , Dankook University Department of Preventive Medicine ²	Community Greenness and Neurobehavioral Development in Children and Adolescents
		O05-4	Ji-Young Lee ¹ , Lamichhane Kumar Dirga ² , Shinhee Ye ¹ , Seulbi Lee ¹ , Hwan-Cheol Kim ² , Jong-Han Leem ² , Yun-Chul Hong ³ , Yangho Kim ⁴ , Mina Ha ⁵ , Eunhee Ha ¹	Ewha Womans University Department of environmental and occupational medicine, School of Medicine ¹ , Inha University School of Medicine, Incheon, South Korea Department of Occupational and Environmental Medicine ² , Seoul National University Department of Preventive Medicine, College of Medicine ³ , Ulsan University Hospital, University of Ulsan College of Medicine Department of Occupational and Environmental Medicine ⁴ , Dankook University Department of Preventive Medicine, College of Medicine ⁵	Preventive effect of green space on childhood neurodevelopment associated with air pollution exposure
16:00	17:30	Code 6. Children growth/puberty and environment (Chair: Hilary Ong, Rashmi Cherian Paramesh)			
		Code	Authors	Affiliation	
				Abstract title	
		O06-1	Laxmi Singh ¹ , Madhu Anand ¹ , Ajay Taneja ¹	Dr. B. R. Aambedkar, University, Agra Department of Chemistry, Khandari Campus ¹	BURDEN OF METALS IN PLACENTA AND POSSIBLE ASSOCIATION WITH WEIGHT OF BABIES
		O06-2	Qian Chen ¹ , Lisu Huang ² , Jun Zhang ¹	Shanghai Jiao Tong University School of Medicine Ministry of Education-Shanghai Key Laboratory of Children's Environmental Health, Xinhua Hospital ¹ , Shanghai Jiao Tong University School of Medicine Department of Pediatrics, Xinhua Hospital ²	Prenatal exposure to Perfluorobutanesulfonic acid (PFBS) and childhood adiposity at 5 years of age
		O06-3	Hyun-Ju Cho ¹ , Hyo-Bin Kim ² , So-Yeon Lee ³ , Song-I Yang ⁴ , Dong In Suh ⁵ , Hwan-Cheol Kim ⁶ , Kyung Won Kim ⁷ , Kangmo Kim ⁸ , Youn Ho Shin ⁹ , Soo-Jong Hong ³	International St. Mary's hospital, Catholic Kwandong University, Incheon Pediatrics ¹ , Inje University Sanggye Paik, Seoul Pediatrics ² , Childhood Asthma Atopy Center, Environmental Health Center, Asan Medical Center, University of Ulsan College of Medicine, Seoul Pediatrics ³ , Hallym University Sacred Heart Hospital, Hallym University College of Medicine, Anyang Pediatrics ⁴ , Seoul National University College of Medicine, Seoul Pediatrics ⁵ , Inha University School of Medicine, Incheon Occupational and Environmental Medicine ⁶ , Yonsei University College of Medicine, Seoul Pediatrics ⁷ , Samsung Medical Center, Sungkyunkwan University School of Medicine, Seoul Pediatrics ⁸ , CHA Gangnam Medical Center, CHA University School of Medicine, Seoul Pediatrics ⁹	Maternal Exposure to Particulate Matter 2.5 during pregnancy and growth at birth and postnatal period in the COCOA Study
		O06-4	Hilary Ong ¹ , Samantha Hunter ² , Colleen Azen ² , Bat-Erdene Erdenedalai ³ , Otgonbaatar Jugder ⁴ , Bayalag Munkhuu ⁵ , David Warburton ²	Children's National Medical Center Division of Emergency Medicine ¹ , Children's Hospital Los Angeles Department of Pediatrics ² , National Center for Maternal and Child Health Department of Radiology ³ , National Center for Maternal and Child Health Department of Obstetrics and Gynecology ⁴ , National Center for Maternal and Child Health Department of Pediatrics ⁵	Seasonal Patterns of Fetal Growth and Air pollution in Ulaanbaatar, Mongolia
		O06-5	Youn-Hee Lim ¹ , Sanghyuk Bae ² , Ji-hoo Yook ³ , Hyun Joo Bae ⁴ , Yun-Chul Hong ^{1,3}	Seoul National University College of Medicine Environmental Health Center ¹ , Dankook University Department of Preventive Medicine ² , Seoul National University College of Medicine Department of Preventive Medicine ³ , Korea Environment Institute Department of Environmental health ⁴	Maternal exposure to particulate matter during early pregnancy affects fetal cardiac abnormalities

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Start	End	Day2 (6/28)			
8:45	10:15	Code 7. Asthma and Respiratory Diseases (Humidifier disinfectant) (Chair: Hae-Kwan Cheong)			
		Code	Authors	Affiliation	
				Abstract title	
		O07-1	Jisun Yoon ¹ , Seung-Hwa Lee ² , So-Yeon Lee ³ , Jae-Rin Ahn ² , Han-Na Go ² , Eun Mi Kim ² , Sungsu Jung ³ , Hyun-Ju Cho ⁴ , Eun Lee ⁵ , Soo-Jong Hong ³	Mediplex Sejong Hospital Department of Pediatrics ¹ , University of Ulsan College of Medicine Asan Institute for Life Sciences ² , Childhood Asthma Atopy Center, Environmental Health Center, Asan Medical Center, University of Ulsan College of Medicine Department of Pediatrics ³ , International St. Mary's hospital, Catholic Kwandong University Department of Pediatrics ⁴ , Chonnam National University College of Medicine Department of Pediatrics ⁵	Exposure to humidifier disinfectants increases the risk of asthmain children via a profibrogenic mechanism
		O07-2	Chorong Park ¹ , Yunsun Kim ¹ , Sangyoung Kim ¹ , Sungho Won ² , Soo-Jong Hong ³ , Hyeon-Jong Yang ^{1,4}	Soonchunhyang University Seoul Hospital SCH Biomedical Informatics Research Unit ¹ , Institute of Health and Environment, Seoul National University Department of public health science, Interdisciplinary Program of Bioinformatics ² , Asan Medical Center, University of Ulsan College of Medicine Department of Pediatrics, Childhood Asthma Atopy Center, Environmental Health Center ³ , Soonchunhyang University Seoul Hospital, Soonchunhyang University College of Medicine Pediatric Allergy and Respiratory Center, Department of Pediatrics ⁴	Time series analysis of incidence of asthma before and after stopping sales of humidifier disinfectant
		O07-3	Jong Han Leem ¹ , Dirga Kumar Lamichhane ¹	Inha University Occupational and Environmental Medicine ¹	Dose-response relationships between interstitial pneumonitis and the exposure of humidifier disinfectants in humidifier disinfectants victims and family based control groups.
		O07-4	Jaiyong Kim ¹	Hanyang University Institute for Health and Society ¹	Health damage of Humidifier Disinfectant by big data analysis in Korea
8:45	10:15	Code 8. Toxic Metals (Chair: Yun-Chul Hong, Stephan Bose-O'Reilly)			
		Code	Authors	Affiliation	
				Abstract title	
		O08-1	Lihua Huang ¹ , Jian Xu ¹ , Aaron Specht ² , Chonghuai Yan ¹ , Hongquan Geng ³ , Howard Hu ⁴	Shanghai Institute for Pediatric Research, Shanghai Jiao Tong University School of Medicine MOE-Shanghai Key Laboratory of Children's Environmental Health, Department of Child and Adolescent Healthcare ¹ , Purdue University School of Health Sciences ² , Xinhua Hospital affiliated to Shanghai Jiao Tong University School of Medicine Department of Pediatric Surgery ³ , University of Toronto Dalla Lana School of Public Health ⁴	Blood lead, bone lead and child attention-deficit-hyperactivity-disorder-like behavior
		O08-2	Woo-Sung Kim ¹ , Youn-Hee Lim ² , Bung-Nyun Kim ³ , Choong Ho Shin ⁴ , Young Ah Lee ⁴ , Johanna Inhyang Kim ³ , Yun-Chul Hong ⁵	Seoul National University College of Medicine Department of Preventive Medicine ¹ , Seoul National University Medical Research Center Institute of Environmental Medicine ² , Seoul National University Hospital Division of Children and Adolescent Psychiatry ³ , Seoul National University Children's Hospital Department of Pediatrics ⁴ , Seoul National University College of Medicine Environmental Health Center ⁵	The Effects of Maternal Cadmium Exposure and Attention Deficit Hyperactivity Disorder in Children 6 years of Age.
		O08-3	Ratchaneewan Sinitkul ^{1,2,3} , Richard J Maude ^{2,3,4} , Teerarat Tassanapitkul ¹ , Adisak Plitponkarnpim ¹	Faculty of Medicine Ramathibodi Hospital, Mahidol University, Bangkok. Pediatrics Department ¹ , Faculty of Tropical Medicine, Mahidol University, Bangkok. Mahidol-Oxford Tropical Medicine Research Unit ² , Nuffield Department of Medicine, University of Oxford, Oxford. Centre for Tropical Medicine and Global Health ³ , Harvard University, Boston, Harvard Th Chan School of Public Health ⁴	The Prevalence of and Factors Associated with Lead Exposure in Children in Bangkok and two Industrialized Provinces in Thailand
		O08-4	Denis Sarigiannis ^{1,2,3} , Kinga Polanska ⁴ , Wojciech Hanke ⁴ , Athanasios Salifoglou ⁵ , Nafsika Papaioannou ² , Evagelos Handakas ² , Catherina Gabriel ^{2,5} , Spyros Karakitsios ^{1,2,3}	Aristotle University of Thessaloniki, HERACLES Research Unit on Health and the Exposome, Centre for Interdisciplinary Research and Innovation ¹ , Aristotle University of Thessaloniki, Department of Chemical Engineering, Environmental Engineering Laboratory ² , Institute of Advanced Study, Environmental Health Engineering ³ , Nofer Institute of Occupational Medicine, Children's Environmental Health ⁴ , Aristotle University of Thessaloniki, Department of Chemical Engineering, Inorganic Chemistry Laboratory ⁵	Pathway analysis of prenatal exposure to heavy metals related child motor development
		O08-5	Jane J Lee ^{1,2} , Linda Valeri ^{3,4} , Kush Kapur ² , Md Omar Sharif Ibne Hasan ⁵ , Quazi Quamruzzaman ⁵ , Robert O Wright ⁶ , David C Bellinger ^{1,2} , David C Christiani ¹ , Maitreyi Mazumdar ^{1,2}	Harvard T.H. Chan School of Public Health Department of Environmental Health ¹ , Boston Children's Hospital Department of Neurology ² , McLean Hospital Psychiatric Biostatistics Laboratory ³ , Harvard Medical School Department of Psychiatry ⁴ , Dhaka Community Hospital Dhaka Community Hospital ⁵ , Icahn School of Medicine at Mount Sinai Department of Preventive Medicine ⁶	Protective effects of maternal protein intake during pregnancy on early childhood neurodevelopment among a population with environmental metal exposures
14:15	15:45	Code 9. Korean Children's Environmental health Study (Chair: Eunhee Ha, Ruth A. Etzel)			
		Code	Authors	Affiliation	
				Abstract title	
		O09-1	Jueun Lee ¹ , Eunhee Ha ² , Choong-Hee Park ¹ , Woo-Mi Lee ¹ , Soon Won Jung ¹ , Myeongjee Lee ² , Seulbi Lee ³ , Suejin Kim ¹	National Institute of Environmental Research Environmental Health Research Department, Environmental Health Research Division ¹ , Ewha Womans University Occupational and Environment Medicine, College of Medicine ² , Ewha Womans University Medical Sciences, College of Medicine ³	The potential impact and opportunities of 'Big data' for Korean Children's Environmental health Study (Ko-CHENS)
		O09-2	Youn-Hee Lim ^{1,2} , Kyungshin Lee ^{1,2} , Yun-Chul Hong ^{1,2,3}	Seoul National University College of Medicine Environmental Health Center ¹ , Seoul National University College of Medicine Institute of Environmental Medicine ² , Seoul National University College of Medicine Department of Preventive Medicine ³	Modeling of indoor PM2.5 concentration using machine learning and selected indoor and outdoor environment
		O09-3	Kyung-Shin Lee ^{1,2} , Youn-Hee Lim ^{1,2} , Yun-Chul Hong ^{1,2,3}	Seoul National University Medical Research Center, Seoul, Institute of Environmental Medicine ¹ , Seoul National University College of Medicine, Seoul, Environmental Health Center ² , Seoul National University College of Medicine, Seoul, Department of Preventive Medicine ³	Relation between urinary phthalate metabolites concentrations and depressive symptoms in pregnant women.
		O09-4	Namkyoung Hwang ¹ , Mina Ha ¹ , Se Chang Ahn ¹ , Suejin Kim ² , Chul Woo Lee ² , Eunhee Ha ³ , Yangho Kim ⁴	Ministry of Environment, Republic of Korea Environmental Health Policy Division ¹ , National Institute of Environmental Research, Incheon, Republic of Korea Environmental Health Research Division ² , Ewha Womans University School of Medicine, Seoul, Republic of Korea Department of Occupational and Environmental Medicine ³ , Ulsan University Hospital, University of Ulsan College of Medicine, Ulsan, Republic of Korea Department of Occupational and Environmental Medicine ⁴	An Introduction to Korean Children's Environmental Health Study
		O09-5	Surabhi Shah ¹ , Eunhee Ha ¹ , Shin Hee Ye ¹ , Yu Min Lee ¹ , Eun Mi Jun ¹ , Eun Kyo	Ewha Womans University College of Medicine Department of Occupational and Environmental Medicine ¹	Associations between use of personal care products and paraben concentrations in mothers of Ko-CHENS

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Start	End	Day2 (6/28)	
14:15	15:45	Code 10. Children's Health and the global climate change (Chair: Stephan Bose-O'Reilly, Peter van den Hazel)	
		Code	Authors
			Affiliation
			Abstract title
		O10-1	Stephan Bose-O'Reilly ^{1,2} , Richard Fuller ³ , Philip J Landrigan ⁴
			University Hospital, LMU Munich Institute and Outpatient Clinic for Occupational, Social and Environmental Medicine ¹ , UMIT – University for Health Sciences, Medical Informatics and Technology Institute of Public Health, Medical Decision Making and Health Technology Assessment ² , Pure Earth Blacksmith Institute ³ , Icahn School of Medicine at Mount Sinai Arnold Global Health Institute ⁴
			Global pollution and health
		O10-2	Jerome A Paulson ¹
			George Washington University Milken Institute School of Public Health Environmental & Occupational Health ¹
			Organizing for Climate Change Education and Advocacy
		O10-3	Elizabeth Cherian Paramesh ¹ , Roshan Cherian Paramesh ² , Rashmi Cherian Paramesh ³
			Lakeside Center for Health Promotion Public Health ¹ , Lakeside Center for Health Promotion Dentallium ² , Lakeside Center for Health Promotion Department of Pediatrics ³
			Bridging Inequities in Childrens' Health Promotion - Bangalore Model
		O10-4	Rajendran Vidyalakshmi ¹ , Marimuthu Prashanthi Devi ¹
			Bharathidasan University, Tiruchirappalli Environmental Management ¹
			Exposure of Children to Microbial Contaminated Drinking Water in School Premises: A review on causes, effects and policy recommendations
		O10-5	Peter van den Hazel ¹
			INCHES INCHES ¹
			Public health policies to adapt to climate change and changes in infectious diseases patterns
8:45	10:15	Code 11. Birth Cohort Consortium in Asia (Chair: Pau-Chung Chen, Eunhee Ha)	
		Code	Authors
			Affiliation
			Abstract title
		O11-1	Yong-Han Lee ¹ , Sanghyuk Bae ¹ , Ho-Jang Kwon ¹ , Eun-Hee Ha ² , Hyesook Park ³ , Yangho Kim ⁴ , Yun-Chul Hong ⁵ , Ae-Kyoung Lee ⁶ , Hyung-Do Choi ⁶ , Mina Ha ⁷
			Dankook University Preventive Medicine ¹ , Ewha Womans University Occupational and Environmental Medicine ² , Ewha Womans University Preventive Medicine ³ , Ulsan University Occupational and Environmental Medicine ⁴ , Seoul National University Preventive Medicine ⁵ , Electronics and Telecommunications Research Institute Radio Technology Research ⁶ , Ministry of Environment Environmental Health Policy Division ⁷
			Does RF exposure increase delivery of lead from maternal blood to fetus?
		O11-2	Mei-Huei Chen ^{1,2} , Ching-Chun Lin ³ , Meng-Shan Tsai ³ , Pau-Chung Chen ^{3,4,5}
			National Health Research Institutes, Miaoli, Institute of Population Health Sciences, ¹ , National Taiwan University College of Medicine and Hospital, Taipei, Department of Pediatrics, ² , National Taiwan University College of Public Health, Taipei, Institute of Occupational Medicine and Industrial Hygiene, ³ , National Taiwan University College of Medicine and Hospital, Taipei, Department of Environmental and Occupational Medicine, ⁴ , National Taiwan University College of Public Health, Taipei, Department of Public Health, ⁵
			Ten years progress in the Taiwan Birth Panel Study
		O11-3	Kyoung-Nam Kim ^{1,2} , Youn-Hee Lim ^{3,4} , Choong Ho Shin ⁵ , Young Ah Lee ⁵ , Bung-Nyun Kim ⁶ , Johanna Inhyang Kim ⁷ , In Gyun Hwang ⁸ , Myung Sil Hwang ⁹ , Jin-Hyang Suh ⁸ , Yun-Chul Hong ^{2,3,4}
			Seoul National University Hospital Division of Public Health and Preventive Medicine ¹ , Seoul National University College of Medicine Department of Preventive Medicine ² , Seoul National University Medical Research Center Institute of Environmental Medicine ³ , Seoul National University College of Medicine Environmental Health Center ⁴ , Seoul National University College of Medicine Department of Pediatrics ⁵ , Seoul National University College of Medicine Department of Psychiatry ⁶ , Seoul National University Bundang Hospital Department of Public Health Medical Services ⁷ , National Institute of Food and Drug Safety Evaluation Food Safety Risk Assessment Division ⁸
			Cohort Profile: The Environment and Development of Children (EDC) Study: A Prospective Children's Cohort
		O11-4	Machiko Minatoya ¹ , Atsuko Araki ¹ , Chihiro Miyashita ¹ , Sachiko Itoh ¹ , Sumitaka Kobayashi ¹ , Keiko Yamazaki ¹ , Yu Ait Bama ¹ , Ryu Miura ¹ , Naomi Tamura ¹ , Reiko Kishi ¹
			Center for Environmental and Health Sciences Hokkaido University ¹
			Update and the recent findings from the Hokkaido Study
16:00	17:30	Code 12. Indoor Pollutants at schools and homes (Chair: Kiyoung Lee, Garry Codling)	
		Code	Authors
			Affiliation
			Abstract title
		O12-1	Hamid Jan Bin Jan Mohamed ¹ , Nur Nadia Binti Mohamed ² , See Ling Loy ³ , Poh Ying Lim ⁴ , Abdullah Al Mamun ⁵
			Universiti Sains Malaysia Nutrition and Dietetics Program ¹ , Universiti Sains Malaysia Department of Community Medicine ² , KK Women's and Children's Hospital Department of Reproductive Medicine ³ , Universiti Putra Malaysia Department of Community Health ⁴ , The University of Queensland Institute of Social Science Research ⁵
			Early life secondhand smoke exposure assessed by hair nicotine biomarker may reduce children's communication, fine motor and problem solving skills at 2 years of age
		O12-2	Pratima Singh ¹ , Renu Arora ¹
			Institute of Home Economics, University of Delhi Department of Resource Management and Design Application ¹
			Assessment of Respirable Suspended Particulate Matter (PM2.5) in Indian Urban Schools
		O12-3	Enkhjargal Gombojav ⁷
			School of Public Health, Mongolian National University of Medical Sciences Department of Environmental Health ¹ , Simon Fraser University Faculty of Health Sciences ² , City Health Department Sukhbaatar District Health Center ³ , Ministry of Health, Mongolia Public Health Institute ⁴ , University of Waterloo Department of Environmental Health ⁵ , Korea University Department of Environmental Health ⁶ , New York State Department of Health, Wadsworth Center, ⁷
			The UGAAR Randomized Controlled Trial of HEPA Filter Air Cleaner Use and Residential Fine Particulate Matter in Ulaanbaatar, Mongolia
		O12-4	Nuket Sivri ¹ , Ahmet Ozgur Dogru ² , Arzu Funda Bagcigi ³ , Kemal Metiner ¹ , Dursun Zafer Seker ²
			Istanbul University Department of Environmental Engineering ¹ , ITU, Istanbul Technical University Department of Geomatics Engineering ² , Istanbul University Department of Microbiology ³
			Assessment of airborne bacterial and fungal concentrations in Primary Schools Utilizing GIS
		O12-5	Dimosthenis Andreas Sarigiannis ¹ , Odysseas Aristeidis Ntompros ¹ , Marianthi Vasileios Kermenidou ¹ , Spyros Panagiotis Karakitsios ¹
			Aristotle University of Thessaloniki Environmental Engineering Laboratory, Department of Chemical Engineering ¹
			MONITORING OF INDOOR AIR QUALITY IN ELEMENTARY SCHOOLS IN GREECE

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Start	End	Day3 (6/29)			
8:45	10:15	Code 13. Outdoor air pollution (Chair: Beate Ritz, Ho Kim)			
		Code	Authors	Affiliation	
				Abstract title	
		O13-1	Changwoo Han ¹ , Youn-Hee Lim ^{1,2,3} , Kweon Jung ⁴ , Yun-Chul Hong ^{1,2,3}	Seoul National University Department of Preventive Medicine ¹ , Seoul National University Medical Research Center Institute of Environmental Medicine ² , Seoul National University College of Medicine Environmental Health Center ³ , Seoul Metropolitan Institute Public Health and Environment ⁴	Association between ambient air pollution and otitis media in children
		O13-2	Thomas Astell-Burt ^{1,2} , Xiaoqi Feng ^{1,2}	University of Wollongong Population Wellbeing and Environment Research Lab (PowerLab), Faculty of Social Sciences ¹ , University of Sydney Menzies Centre for Health Policy ²	More neighborhood green space may protect child respiratory health from heavy traffic volume: a multilevel study of 4447 children in Australia
		O13-3	Jonathan Andrieux ¹ , Catherine Bouland ¹	Université Libre de Bruxelles Environmental Health and Occupational Health ¹	Effects of joint exposures to outdoor air pollution, environmental noise and greenness on children's health: a review of epidemiological studies
		O13-4	Hyo-Bin Kim ¹ , Boom Kim ² , Sunju Namgoung ³ , Kangmo Ahn ⁴ , Kyung Won Kim ⁵ , Youn Ho Shin ⁶ , Dong In Suh ⁷ , Kyung Sook Lee ⁸ , Yee-Jin Shin ⁹ , Soo-Jong Hong ¹⁰	Inje University Sanggye Paik Hospital Pediatrics ¹ , University of Ulsan College of Medicine Asan Institute for Life Science ² , Asan Medical Center Seoul Asan Environmental Health Center for Hazardous Chemical Exposure ³ , Sungkyunkwan University School of Medicine Pediatrics ⁴ , Yonsei University College of Medicine Pediatrics ⁵ , CHA University School of Medicine Pediatrics ⁶ , Seoul National University College of Medicine Pediatrics ⁷ , Hanshin University Rehabilitation ⁸ , Yonsei University College of Medicine Psychiatry ⁹ , University of Ulsan College of Medicine Pediatrics ¹⁰	During pregnancy and early lifetime exposure to particulate matter and autism spectrum disorder in early childhood: COCOA Study
		O13-5	Myung-Jae Hwang ¹ , Hae-Kwan Cheong ¹	Sungkyunkwan University School of Medicine, Suwon, Korea Department of Social and Preventive Medicine ¹	Epidemiologic characterization of sudden infant death syndrome in relation to air pollution in Korea: a case-crossover study
8:45	10:15	Code 14. Exposome, Epigenetics, Microbiome, and children's health (Chair: Woojin Kim, Denis Sargiannis)			
		Code	Authors	Affiliation	
				Abstract title	
		O14-1	Yunhui Zhang ¹	Fudan University Department of Environmental Health ¹	PBDEs exposure during early life in relation to placental size and fetus development via epigenetic modification
		O14-2	Woo Jin Kim ¹ , Yuri Han ¹ , Hyun Sub Cheong ² , Sung Ok Kwon ³	Kangwon National University 1Department of Internal Medicine and Environmental Health Center ¹ , SNP Genetics, Inc. Department of Genetic Epidemiology ² , Biomedical Research Institute Department of Biomedical Research ³	Maternal pre-pregnancy body mass index and offspring cord blood DNA methylation
		O14-3	Oleg Sergejev ¹	Moscow State University A.N. Belozersky Research Institute of Physico-Chemical Biology ¹	Peripubertal serum dioxins and subsequent adult semen quality and sperm methylation in the prospective Russian Children's Study
		O14-4	Nam Goung Sun ju ¹ , Lee So-Yeon ² , Kang Mi-Jin ³ , Kim Hyo-Bin ⁴ , Yang Song-I ⁵ , Cho Hyun-Ju ⁶ , Leem Jong-Han ⁷ , Kim Hwan-Cheol ⁸ , Kwon Ho-Jang ⁹ , Hong Soo-Jong ¹⁰	Seoul asan environmental health center Seoul asan environmental health center for hazardous chemical exposure ¹ , Childhood Asthma Atopy Center, Environmental Health Center, Asan Medical Center, University of Ulsan College of Medicine Pediatric ² , Seoul asan environmental health center Seoul asan environmental health center for hazardous chemical exposure ³ , Inje University Sanggye Paik Hospital Pediatrics ⁴ , Hallym University Sacred Heart Hospital, Hallym University College of Medicine Pediatrics ⁵ , International St. Mary's hospital, Catholic Kwandong University Pediatrics ⁶ , College of Medicine, Inha University Social and Preventive Medicine ⁷ , Inha University School of Medicine Occupational and Environmental Medicine ⁸ , College of Medicine, Dankook University Preventive Medicine ⁹ , Childhood Asthma Atopy Center, Environmental Health Center, Asan Medical Center, University of Ulsan College of Medicine Pediatrics ¹⁰	TLR4 (rs1927911) polymorphism modifies the association between exposure to Nitrogen Dioxide (NO2) during pregnancy and symptoms of allergic rhinitis in Korean children.
		O14-5	Carmen M Velez-Vega ¹ , Zaira Rosario-Pabon ² , Jose F Cordero ² , Gredia Huerta ¹ , April Gu ³ , John Meeker ⁴ , Helen Suh ⁵ , Akram Alshwabkeh ³	University of Puerto Rico Medical Sciences Campus School of Public Health ¹ , University of Georgia Department of Epidemiology ² , Northeastern University Department of Civil and Environmental Engineering ³ , University of Michigan School of Public Health ⁴ , Tufts University Environmental Science ⁵	The Center for Research on Early Childhood Exposure and Development (CRECE)

The 9th INTERNATIONAL CONFERENCE ON CHILDREN'S HEALTH AND THE ENVIRONMENT (INCHES) - Symposium Session

Start End		Day1 (6/27)		
14:15 15:45		Symposium 1. Internet gaming addiction (Chair: Hyeon Woo Yim, Hae Kook Lee)		
Code	Authors	Affiliation	Abstract title	
S01-1	Hyunsuk Jeong ¹ , Hyeon Woo Yim ¹	Catholic University of Korea Preventive Medicine ¹	Prevalence of clinically diagnosed Internet gaming disorder and gaming behavior patterns in adolescents using cluster analysis: Baseline results from iCURE	
S01-2	Seung-Yup Lee ¹ , Hae Kook Lee ¹ , Hyeon Woo Yim ² , Hyunsuk Jeong ² , Soo-young Bang ³ , Jung-Seok Choi ⁴ , Yong-Sil Kweon ⁴	Uijeongbu St. Mary's Hospital, College of Medicine, The Catholic University of Korea Department of Psychiatry ¹ , College of Medicine, The Catholic University of Korea Department of Preventive medicine ² , College of Medicine, Eulji University Department of Psychiatry ³ , SMG-SNU Boramae Medical Center Department of Psychiatry ⁴	Playing time & Addiction: How much gaming is too long?	
S01-3	Hyekyung Choo ¹ , Daniel Fung ²	University of Singapore, Singapore University of Singapore, Singapore ¹ , Institute of Mental Health, Singapore Institute of Mental Health, Singapore ²	Comorbidity and Social Vulnerability of Children and Adolescents with Internet Gaming Disorder (IGD)	
16:00 17:30		Symposium 2. Endocrine Disrupting Chemicals (Chair: Else Toft Würtz, Joan O Grimalt)		
Code	Authors	Affiliation	Abstract title	
S02-1	Youn-Hee Lim ¹ , Young Ah Lee ² , Choong Ho Shin ² , Dongwook Lee ³ , Bung-Nyun Kim ⁴ , Johanna Inhyang Kim ⁴ , Yun-Chul Hong ^{1,3}	Seoul National University College of Medicine Environmental Health Center ¹ , Seoul National University Children's Hospital Department of Pediatrics ² , Seoul National University College of Medicine Department of Preventive Medicine ³ , Seoul National University Hospital Division of Children and Adolescent Psychiatry ⁴	Impact of bisphenol A exposure on adiposity trajectory in early childhood: a prospective cohort study	
S02-2	Hsiao Yu Chun ¹ , Wang Shu Li ² , Hsieh Chia Jung ³ , Wu Ming Tsang ⁴ , Chen Mei Lien ¹	National Yang-Ming University, College of Medicine, Institute of Environmental and Occupational Health Sciences ¹ , National Health Research Institutes, National Institute of Environmental Health Sciences ² , Buddhist Tzu Chi University, Department of Public Health ³ , Kaohsiung Medical University, College of Health Science, Department of Public Health ⁴	The association of prenatal nonylphenol exposure and child health in Taiwan pregnant women nationwide	
S02-3	Joan O Grimalt ¹ , Mercede Gari ¹ , Esther Marco ¹ , Barend L van Drooge ¹	Institute of Environmental Assessment and Water Research (IDAEA-CSIC) Environmental Chemistry ¹	Associations between fetal exposure to chemical pollutants and development disorders in the early childhood. Case studies from European cohorts	
S02-4	Kinga Polanska ¹ , Mercè Gari ² , Wojciech Hanke ¹ , Holger M Koch ³ , Claudia Claudia Pä Imke ³ , Stephan Bose-O'Reilly ²	Nofer Institute of Occupational Medicine, Department of Environmental Epidemiology ¹ , University Hospital Munich, Institute for Occupational, Social and Environmental Medicine ² , Institute of the Ruhr-Universität Bochum, Institute for Prevention and Occupational Medicine of the German Social Accident Insurance ³	Concentrations of phthalate metabolites in children from Poland	
S02-5	Young Ah Lee ¹ , Jin Hee Kim ² , Hae Woon Jung ³ , Youn-Hee Lim ⁴ , Sanghyuk Bae ⁵ , Younglim Kho ⁶ , Yun-Chul Hong ^{4,7} , Sei Won Yang ¹ , Choong Ho Shin ¹	Department of Pediatrics, Seoul National University Children's Hospital Department of Integrative Bioscience & Biotechnology, Sejong University Department of Pediatrics Kyunghee University Kyunghee Medical Center Environmental Health Center Seoul National University College of Medicine Department of Preventive Medicine College of Medicine, Dankook University Department of Health, Environment & Safety, Eulji University Department of Preventive Medicine, Seoul National University College of Medicine	The serum concentrations of perfluoroalkyl compounds were inversely associated with growth parameters in 2-year old children	

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Start	End	Day2 (6/28)			
14:15	15:45	Symposium 3. Allergic diseases (Chair, Kangmo Ahn)			
		Code	Authors	Affiliation	
				Abstract title	
		S03-1	Kangmo Ahn ^{1,2}	Samsung Medical Center, Sungkyunkwan University School of Medicine Pediatrics ¹ , Samsung Medical Center Environmental Health Center for Atopic Diseases ²	Airborne formaldehyde exacerbates atopic dermatitis in children
		S03-2	Ja Hyeong Kim	Department of Pediatrics, Ulsan University Hospital, University of Ulsan College of Medicine, Ulsan, Korea	Early- life exposure to heavy metals and development of allergic diseases
		S03-3	YOO, Young	Department of Pediatrics, Korea University College of Medicine, Seoul; Environmental Health Center, Korea University Anam Hospital, Seoul, Korea	Indoor air quality and allergic diseases in children
		S03-4	LIM, Dae Hyun	Department of Pediatrics, Inha University School of Medicine, Incheon; Environmental Health Center for Allergic Diseases, Inha University Hospital, Incheon, Korea	The effect of PM10/2.5 exposure on asthma-related hospital visits in Korea based on the National Health Insurance Data
		S03-5	LEE, Keun Hwa	Department of Microbiology and Immunology, Jeju National University College of Medicine, Jeju; Environmental Health Center, Jeju National University College of Medicine, Jeju, Korea	Japanese Cedar (<i>Cryptomeria japonica</i>) Pollinosis in Jeju, Korea
16:00	17:30	Symposium 4. Heavy metal and children's health (Chair, Yangho Kim, Jerome A Paulson)			
		Code	Authors	Affiliation	
				Abstract title	
		S04-1	Ratchaneewan Sinitkul ^{1,2,3} , Richard J Maude ^{2,3} , Teera Tassanapitikul ¹ , Sakda Arj-Ong Vallibhakara ⁴ , Adisak Plitponkarpim ¹	Faculty of Medicine Ramathibodi Hospital, Mahidol University, Bangkok, Department of Pediatrics ¹ , Faculty of Tropical Medicine, Mahidol University, Bangkok, Mahidol-Oxford Tropical Medicine Research Unit ² , Nuffield Department of Medicine, University of Oxford, Oxford, Centre for Tropical Medicine and Global Health ³ , Faculty of Medicine Ramathibodi Hospital, Mahidol University, Bangkok, Section of Clinical Epidemiology and Biostatistics ⁴	The Prevalence and Associated Factors of Children Lead Exposure in Bangkok and Industrialized Vicinities, Thailand
		S04-2	Yangho Kim ¹	Ulsan University Hospital, University of Ulsan College of Medicine, Ulsan, Republic of Korea Department of Occupational and Environmental Medicine ¹	Behavior of blood heavy metal concentrations in pregnant Korean women and children
		S04-3	Young-Seoub Hong ^{1,2} , Jung-Wook Seo ¹ , Sang-Hun Nam ³ , Dae-Seon Kim ³ , Enkhjargal Altangere ⁴	Dong-A University, Busan, Heavy Metal Exposure Environmental Health Center ¹ , College of Medicine, Dong-A University, Busan Department of Preventive Medicine ² , National Institute of Environmental Research ³ , Ministry of Health, Ulaanbaatar ⁴	Environmental Health Survey for Children around Mining Areas in Mongolia
		S04-4	Woo-Seok Lee ¹ , Youn-Hee Lim ² , Yun-Chul Hong ^{1,2,3}	Seoul National University College of Medicine Department of Preventive Medicine ¹ , Seoul National University Medical Research Center Institute of Environmental Medicine ² , Seoul National University College of Medicine Environmental Health Center ³	Growth parameters in 6-year old children exposed to Manganese from fruit consumption
		S04-5	Jin Hee Kim ¹ , Yelim Park ² , Sung Koo Kim ³ , Hyo-Bang Moon ⁴ , Jeongim Park ² , Kyungho Choi ⁵ , Sungkyoon Kim ^{5,6}	Sejong University Department of Integrative Bioscience & Biotechnology ¹ , Soonchunhyang University Department of Environmental health Sciences ² , Hallym University College of Medicine ³ , Hanyang University Department of Marine Sciences and Convergent Technology ⁴ , Seoul National University Department of Environmental Health ⁵ , Seoul National University Institute of Health and Environment ⁶	Lead and mercury levels in repeatedly collected urine samples of young children: A longitudinal biomonitoring study

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Start	End	Day3 (6/29)		
8:45	10:15	Symposium 5. Children's mental health (Chair, Bung-Nyun Kim, Peter van den Hazel)		
Code	Authors	Affiliation	Abstract title	
S05-1	Yoko Kamio ¹ , Jeongrim Lee ² , Bung-Nyun Kim ³ , Yeni Kim ⁴	National Center of Neurology and Psychiatry Child Psychiatry ¹ , Korea Institute of Child Care and Education Integration of ECEC Research Team ² , Seoul National University Child and Adolescent Psychiatry ³ , National Center for Mental Health Child and Adolescent Psychiatry ⁴	Environment and Development of Cognition and Behavior in Korean and Japanese Children.	
S05-2	Jung Lee ¹ , Johanna Inhyang Kim ² , Yun- Chul Hong ³ , Choong Ho Shin ⁴ , Young Ah Lee ⁴ , Youn-Hee Lim ³ , Bung-Nyun Kim ¹	Seoul National University College of Medicine Division of Child and Adolescent Psychiatry, Department of Psychiatry ¹ , Seoul National University Bundang Hospital, Republic of Korea Department of Public Health Medical Services ² , Seoul National University Medical Research Center Institute of Environmental Medicine ³ , Seoul National University College of Medicine Department of Pediatrics ⁴	Influence of age at exposure and sex on the relationship between phthalate exposure and intelligence: a prospective birth cohort study	
S05-3	Yeni Kim ¹ , Sung-Mi Lee ¹	National Center for Mental Health Child and Adolescent Psychiatry ¹	Neurodevelopmental effect of di-butyl- phthalate exposure during gestation and lactation in C57BL/6 mice.	
S05-4	Jeong Rim Lee ¹ , Gilsook Kim ¹ , YeJin Yi ¹ , Shinyeong Song ¹ , Jinmi Kim ¹	Korea Institute of Child Care and Education Integration of ECEC Research ¹	Classifying Korean Children's Behavioral Problems and Their Influencing Factors: A Latent Profile Analysis.	
S05-5	Boram Lee ¹ , Hye Jun Park ¹	Seoul National University Child development and Family studies ¹	Environment and Developmental Health of Children in Malawi, Africa	
S05-6	Yoko Kamio ¹	National Center for Neurology and Psychiatry Child Psychiatry ¹	Early ASD symptoms can predict later anxiety symptoms in children	

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Start	End	Day1 (6/27)		
9:00	17:00	Poster 1. Environmental hazards		
Code	Authors	Affiliation	Abstract title	
P01-1	Buyantushig Boldbaatar ¹ , Enkhjargal Gombojav ¹	Mongolian National University of Medical Sciences Environmental Health ¹	FINE (PM2.5) PARTICULATE POLLUTION IN MONGOLIAN	
P01-2	Catherine Bouland ¹ , Marija Jevtic ^{1,2,3} , Peter Van Den Hazel ⁴	Université Libre de Bruxelles (ULB), Research centre on Environmental and Occupational Health, ESP ¹ , University of Novi Sad, Faculty of Medicine Department of Hygiene ² , Institute of Public Health of Vojvodina Department of School Health, Health Promotion Center ³ , Public Health Services Gelderland-Midden, Arnhem Section environment related diseases section ⁴	SDGs as guidelines for improving children's health	
P01-3	Chia-Jung Hsieh ¹ , Lih-Ming Yiin ¹ , Yu-Hsun Chang ²	Tzu Chi University Department of Public Health ¹ , General Tzu Chi Hospital Department of Pediatrics ²	Effects of pesticide exposure during pregnancy on birth outcomes	
P01-4	Choonghee Park ¹ , Dayoung Chung ¹ , Sieun You ¹ , Hyeji Han ¹ , Youngmee Lee ¹	National Institute of Environmental Research Environmental Health Research Division ¹	Risk Assessment and Management of Environmentally Harmful Factors for Use by Children in Korea	
P01-5	Dawoon Jung ¹ , Sijin Kim ¹ , Hyesoo Shin ¹	Korea Environment Institute Department of Living Environment Research ¹	Status and Improvement Measures for Children's Product Management in Korea	
P01-6	Denis Andreas Sarigiannis ¹ , Marianthi Vasileios Kermenidou ¹ , Spyros Panagiotis Karakitsios ¹	Aristotle University of Thessaloniki, Environmental Engineering Laboratory, Department of Chemical Engineering, ¹	THE ABILITY OF AMBIENT AIR PMX TO GENERATE REACTIVE OXYGEN SPECIES: LINK TO SOURCES	
P01-7	Elizabeth Cherian Paramesh ¹ , Roshan Cherian Paramesh ² , Rashmi Cherian Paramesh ³	Lakeside Center for Health Promotion Public Health ¹ , Lakeside Center for Health Promotion Dentallium ² , Lakeside Center for Health Promotion Department of Pediatrics ³	Prevalence of Nutritional allergies in school going children in Bangalore	
P01-8	Henry Wabinga ¹ , Derrick Bary Abila ¹	Makerere University Biomedical Sciences ¹	Contrast between incidence of childhood and adolescent cancers: Using a population based cancer registry, Kyadondo County, Uganda: 2009 to 2014	
P01-9	Igor Hadjamberdiev ¹ , Indira Kazieva ¹	Medical institute named S.Tentishev Scientific Dptm ¹	Child poisoning by Lead and Mercury in Kyrgyzstan	
P01-10	Igor Hadjamberdiev ¹ , Indira Zhakipova ² , Viktoria Didenko ³	Asian medical institute named S.Tentishev Scientific Dptm ¹ , Ekois, NGO Information Dptm ² , Asian medical institute named S.Tentishev Scientific Dptm ³	Obsolete pesticides and child health in Central Asia	
P01-11	Igor Hadjamberdiev ¹ , Rustam Tukhvatshin ²	Medical institute named S.Tentishev Scientific Dptm ¹ , Kyrgyz State Medical Academy Scientific Dptm ²	Radioactive area and child health in Tien-Shen	
P01-12	Jaeon Lee ¹ , Wookhee Choi ¹ , Sanghoon Nam ¹ , Dohyun Kim ¹ , Kongkea Phan ² , Enkhjargal Altangerel ³ , Daeseon Kim ¹ , Chulwoo Lee ¹ , Seungdo Yu ¹	National Institute of Environmental Research Environment Health Research Division ¹ , International University Faculty of Science and Technology ² , National Center for Environmental Health Department for Environmental Health ³	Environmental Exposure Assessment in Vulnerable residential area in Asia-Pacific countries	
P01-13	Jargalsaikhan Galsuren ¹ , Cho Hyunsoon ² , Enkhjargal Gombojav ²	Mongolian National University of Medical Sciences School of Public Health ¹ , National Cancer Center of Korea Graduate School of Cancer Science and Policy ²	Analysis of ambient air quality using fixed-site monitoring data in Mongolia	
P01-14	Jayeun Kim ¹ , Ho Kim ²	Seoul National University Institute of Health and Environment ¹ , Seoul National University Graduate School of Public Health ²	Modifications of ambient temperature and synoptic meteorology for respiratory hospitalization among childhood in Seoul, Korea	
P01-15	Jeonghoon Kim ^{1,2} , Jin-Ha Yoon ³ , Jihyun Kim ³ , Wanhyung Lee ³ , Yeong-Kwang Kim ³ , Seunghyun Lee ⁴ , KyooSang Kim ¹	Seoul Medical Center Department of Environmental Health Research ¹ , Seoul National University Department of Environmental Health Sciences, Graduate School of Public Health ² , Yonsei University College of Medicine Graduate School of Public Health ³ , University of Occupational and Environmental Health The Department of Internal Medicine, School of Medicine ⁴	Predictors of thirdhand smoke beliefs on children health among adults in Korea	
P01-16	Jessica W. An ¹ , Luisa N. Borrell ² , Celeste Eng ³ , Adam Davis ⁴ , Kelley Meade ⁴ , Michael A. LeNoir ⁵ , Emirita Brigino-Buenaventura ⁶ , S.Katharine Hammond ¹ , Esteban G. Burchard ³ , Neeta Thakur ³	University of California, Berkeley, School of Public Health Division of Environmental Health Sciences ¹ , City University of New York, Graduate School of Public Health and Health Policy Department of Epidemiology & Biostatistics ² , University of California, San Francisco, Department of Medicine Division of Pulmonary and Critical Care Medicine ³ , UCSF Benioff Children's Hospital Oakland Children's Hospital Oakland Research Institute ⁴ , Bay Area Pediatrics ⁵ , Kaiser Permanente, Vallejo Medical Center Department of Allergy and Immunology ⁶	The Effect of Neighborhood Deprivation on Asthma Exacerbation in African American Youth	

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P01-17	Jongmin Oh ¹ , Myeongjee Lee ¹ , Seulbi Lee ² , Shinhee Ye ¹ , Yu Min Lee ¹ , Eun-Hee Ha ¹	College of Medicine, Ewha Womans University Department of Occupational and Environmental Medicine ¹ , College of Medicine, Ewha Womans University Department of Medical Sciences ²	Exploratory study to determine the cotinine cut-off value to discriminate between second-hand smoke (SHS) and smokers during pregnancy
P01-18	Josephine J Singo ¹	University of London International Programs London School of Hygiene and Tropical Medicine ¹	Occupational risk perceptions and behavior towards health risk exposures, personal protective equipment and health- seeking among Artisanal and Small-scale Gold Miners in Bornuur Soum, Mongolia
P01-19	Kyung-Hwa Choi ¹ , Myung-Sook Park ¹ , Seung-Hwa Lee ¹ , Mina Ha ² , Hae-Kwan Cheong ³ , Jong-Il Hur ¹	Taeon Environmental Health Center, Department of Environmental Health ¹ , Dankook University College of Medicine, Department of Preventive Medicine ² , Sungkyunkwan University School of Medicine, Department of Social and Preventive	Prevalence of selected diseases in children and adolescents of Hebei Spirit oil spill area, 2002-2015: Using the National Health Insurance data
P01-20	Miyoung Lim ¹ , Ji Young Park ² , Seungryul Park ³ , Wonho Yang ⁴ , Kyunghye Ji ⁵ , Myung Hee Moon ⁶ , Hunjo Lee ⁷ , Kiyoung Lee ^{1,2}	Seoul National University Graduate School of Public Health ¹ , Seoul National University Institute of Health and Environment ² , World Research Inc. CEO ³ , Catholic University of Daegu Department of Occupational Health ⁴ , Yongin University Department of Environmental Health ⁵ , Ecomom Korea Headquarter Director ⁶ , Chem.I.net Co., Ltd. CEO ⁷	Strategy for obtaining national exposure factors of children's goods in Korea: The CREAM study
P01-21	Myeongjee Lee ¹ , Seulbi Lee ² , Mina Ha ³ , Yun-Chul Hong ⁴ , Hyesook Park ⁵ , Yangho Kim ⁶ , Eunhee Ha ^{1,7}	Ewha Womans University Department of Occupational and Environmental Medicine ¹ , Ewha Womans University Department of Medical Science ² , Dankook University Department of Preventive Medicine ³ , Seoul National University Institute of Environmental Medicine ⁴ , Ewha Womans University Department of Preventive Medicine ⁵ , University of Ulsan College of Medicine Department of Occupational and Environmental Medicine ⁶ , Ewha Womans University Ewha Medical Research Institute ⁷	Combined effect of prenatal exposure to air pollution and secondhand smoke on early neurodevelopment
P01-22	Myung-Sook Park ¹ , Mina Ha ² , Kyung-Hwa Choi ¹ , Seung-Hwa Lee ¹ , Hae-Kwan Cheong ³ , Jong- Il Hur ¹	Taeon Environmental Health Center, Department of Environmental Health ¹ , Dankook University College of Medicine, Department of Preventive Medicine ² , Sungkyunkwan University School of Medicine, Department of Social and Preventive	A Longitudinal Study of Children's Lung Function exposure to Volatile Organic Compounds for 10 years after the Hebei Spirit Oil Spill
P01-23	Phoebe Um ¹ , Jianghong Liu ² , Naixue Cui ³ , Adrian Raine ⁴	University of Pennsylvania Department of Biological Basis of Behavior ¹ , University of Pennsylvania School of Nursing ² , Shandong University School of Nursing ³ , University of Pennsylvania Department of Criminology ⁴	Lead exposure even at low levels is linked with increased slow-brainwave activity (EEG)
P01-24	Seung Woon Sohn ¹ , Dong Soo Lee ¹	Graduate School of Environmental Studies, Seoul National University. Department of Environmental planning and Environmental planning institute ¹	VOCs Exposure and Risk assesmenst on diaper medium For Infants and children in Korea
P01-25	SHANKARGOUDA V PATIL ¹ , BHAVANA B LAKHKAR ²	SHRI B M PATIL MEDICAL COLLEGE, VIJAYAPUR PEDIATRICS ¹ , SHRI B M PATIL MEDICAL COLLEGE, VIJAYAPUR PEDIATRICS ²	ENVIRONMENTAL HEALTH HAZARDS IN CHILDREN IN AND AROUND VIJAYAPUR
P01-26	Sherly Dwi Agustiningrum ¹	Airlangga University Environmental Health ¹	Excessive Food Additives in Food Snacks of School Children in Mulyorejo Surabaya
P01-27	Shinhee Ye ¹ , Jiyoung Shin ¹ , Jueun Lee ¹ , Eun Mi Jung ¹ , Eun- Hee Ha ¹	Ewha Womans University College of Medicine Department of Occupational and Environmental Medicine ¹	Systematic Review of Heavy Metal Concentrations in Fish and Shellfish in Korea
P01-28	SONG JUNG-KOOK ¹ , Lee Keun- Hwa ¹ , Lee Hye-Sook ¹ , Hong Sung-Chul ¹	School of Medicine, Jeju National University Preventive Medicine ¹	Aeroallergen Sensitization Rate of the Children in Jeju in 2017
P01-29	Sooyoung Guak ¹ , Kiyoung Lee ^{1,2} , Miyoung Lim ¹ , Ji Young Park ²	Graduate School of Public Health, Seoul National University Department of Environmental Health Sciences ¹ , Seoul National University Institute of Health and Environment ²	Skin adhesion rate of children's modeling clay for exposure assessment
P01-30	Vinod Hanumant Ratageri ¹ , Laxmi Kamat ²	Karnataka Institute of Medical Sciences,Hubli Pediatrics ¹ , Karnataka Institute of Medical Sciences,Hubli Pediatrics ²	UNINTENTIONAL (NON FATAL)INJURIES IN CHILDREN : EXPERIENCE AT A TERTIARY CARE HOSPITAL FROM NORTH
P01-31	Ying Guo ^{1,2} , Jason G Su ² , Ya Dong ¹ , Jennifer Wolch ³	Tianjin University School of Architecture ¹ , University of California at Berkeley School of Public Health ² , University of California at Berkeley College of Environmental Design ³	Application of land use regression techniques for urban greening: An analysis of Tianjin, China
P01-32	Yoonjee Kim ¹ , Sewon Lee ¹ , Hyunkyung Ban ¹ , Sangmin Cha ² , Geunbae Kim ³ , Kiyoung Lee ¹	Seoul National University Graduate School of Public Health ¹ , Kweather Environmental Business Division ² , National Institute of Environmental Research Environmental Health ³	Temporal variation of indoor air quality in daycare centers
P01-33	Yumin Lee ¹ , Eunhee ha ¹ , Jin Hwa Lee ² , Hawn-Cheol Kim ³ , Kyoung-Nam Kim ⁴	<u>Yumin Lee</u> ¹ , Eunhee ha ¹ , Jin Hwa Lee ² , Hawn-Cheol Kim ³ , Kyoung-Nam Kim ⁴	Prediction of COPD mortality due to exposure to fine particulate matter using machine learning technique: The National Health Insurance Service-National Sample Cohort (NHIS-NSC)

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Start	End	Day2 (6/28)		
9:00	17:00	Poster 2. Birth cohort		
Code	Authors	Affiliation	Abstract title	
P02-1	Byungmi Kim ¹ , Eun Kyo Park ² , Eun Young Park ¹ , Bohye Shin ¹	National Cancer Center National Cancer Control Institute ¹ , Ewha Medical Research Center Department of Preventive Medicine ²	Influence of environmental factors and prenatal Triclosan on birth outcomes : the Mother And Kids Environmental health Study	
P02-2	Denis Sarigiannis ^{1,2,3} , Nafsika Papaioannou ² , Aikaterini Galonaki ² , Maria Fafouti ² , Kinga Polanska ⁴ , Michael Dickinson ⁵ , Catherina Gabriel ² , Spyros Karakitsios ^{1,2,3}	Aristotle University of Thessaloniki HERACLES Research Unit on Health and the Exposome, Centre for Interdisciplinary Research and Innovation ¹ , Aristotle University of Thessaloniki Department of Chemical Engineering, Environmental Engineering Laboratory ² , Institute of Advanced Study Environmental Health Engineering ³ , Nofer Institute of Occupational Medicine Children' s Environmental Health ⁴ , Fera Science Ltd Food and Environment Research Agency ⁵	Effects of heavy metals to neurodevelopment in a mother-infant cohort study	
P02-3	Eun Mi Jung ¹ , Yun-Chul Hong ² , Mina Ha ³ , Yangho Kim ⁴ , Hyesook Park ⁵ , Hyesook Kim ⁶ , Eun-Hee Ha ¹	Ewha Womans University Department of Occupational and Environmental Medicine ¹ , Seoul National University Department of Preventive Medicine ² , Dankook University College of Medicine Department of Preventive Medicine ³ , Ulsan University Hospital Department of Occupational and Environmental Medicine ⁴ , Ewha Womans University Department of Preventive Medicine ⁵ , Ewha Womans University Department of Nutritional Science and Food Management ⁶	Association between dietary patterns and blood mercury concentration: MOCEH study	
P02-4	Eunjung Kim ¹ , Yeni Kim ² , Jeesuk Yu ³ , Hojang Kwon ^{1,4} , Suejin Kim ⁵ , Mina Ha ^{1,4}	Dankook University Medical Center Environmental Health Center ¹ , National Center for Mental Health Department of Child and Adolescent Psychiatry ² , Dankook University College of Medicine Department of Pediatrics ³ , Dankook University College of Medicine Department of Preventive Medicine ⁴ , National Institute of Environmental Research Environmental Health Research Department ⁵	Phthalate exposure, pubertal development and problem behavior in children	
P02-5	Hye-Li Jeon ¹ , Sung Yeon Kim ¹ , Ji-Young Yoo ¹ , Young Min Kwon ¹ , Sun Kyoung Jung ¹ , Young Kyoung Joo ¹ , Chul-Woo Lee ¹ , Seung-Do Yu ¹	National Institute of Environmental Research Environmental Health Research Division, Environmental Health Research Department ¹	Main progress of the 3rd stage Korean National Environmental Health Survey ('15-'17) - focused on Children and Adolescents	
P02-6	Ja Hyeong Kim ¹ , Eun-Hee Ha ² , Hyesook Park ³ , Yun-Chul Hong ⁴ , Yangho Kim ⁵	Ulsan University Hospital, University of Ulsan College of Medicine Department of Pediatrics ¹ , School of Medicine, Ewha Womans University Department of Occupational and Environmental Medicine ² , School of Medicine, Ewha Womans University Department of Preventive Medicine ³ , Seoul National University College of Medicine Department of Preventive Medicine, ⁴ , Ulsan University Hospital, University of Ulsan College of Medicine Department of Occupational and Environmental Medicine ⁵	The Role of Cadmium and C-Reactive Protein As Risk Factors for Allergic and Respiratory Diseases in Early Childhood: The Mothers and Children's Environmental Health Study	
P02-7	Jin Hee Kim ¹ , Yelim Park ² , Sung Koo Kim ³ , Hyo-Bang Moon ⁴ , Jeongim Park ² , Kyunggho Choi ⁵ , Sungkyoon Kim ^{5,6}	Sejong University Department of Integrative Bioscience & Biotechnology ¹ , Soonchunhyang University Department of Environmental health Sciences ² , Hallym University College of Medicine ³ , Hanyang University Department of Marine Sciences and Convergent Technology ⁴ , Seoul National University Department of Environmental Health ⁵ , Seoul National University Institute of Health and Environment ⁶	Lead and mercury levels in repeatedly collected urine samples of young children: A longitudinal biomonitoring study	
P02-8	Jiyoung Shin ¹ , Jueun Lee ² , Eui-jung Kim ³ , Eunhee Ha ¹	College of Medicine, Ewha Womans University Public Health, Department of Occupational and Environmental Medicine ¹ , National Institute of Environmental Research Environmental Health Research Division ² , College of Medicine, Ewha Womans University Department of Psychiatry ³	A 5-year trend in the prevalence of attention-deficit/hyperactivity disorder in children	
P02-9	Ka Young Kim ¹ , Eunil Lee ² , Yang Hee Kim ²	Gachon university Nursing ¹ , Korea university Preventive medicine ²	The association between bisphenol A and obesity in children: a systematic review with meta-analysis	
P02-10	Kinga Polanska ¹ , Elzbieta Trafalska ² , Pawel Kaluzny ¹ , Ewelina Wesolowska ¹ , Wojciech Hanke ¹	Nofer Institute of Occupational Medicine, Department of Environmental Epidemiology ¹ , Medical University of Lodz, Department of Hygiene and Epidemiology ²	Correlates of maternal diet during pregnancy	
P02-11	Kinga Polanska ¹ , Wojciech Hanke ¹ , Jolanta Gromadzinska ² , Beata Janasik ² , Wojciech Wasowicz ² , Joanna Jerzynska ³ , Iwona Stelmach ³ , Fiorino Mirabella ⁴ , Flavia Chiarotti ⁴ , Gemma Calamandrei ⁴	Nofer Institute of Occupational Medicine, Department of Environmental Epidemiology ¹ , Nofer Institute of Occupational Medicine, Department of Biological and Environmental Monitoring ² , Medical University of Lodz, Department of Pediatrics and Allergy ³ , National Institute of Health, Center for Behavioral Sciences and Mental Health ⁴	Impact of micronutrients during pregnancy on children's health and neurodevelopment	
P02-12	Kyoung Min Kim ¹ , Myung Ho Lim ¹ , Ho-Jang Kwon ¹ , Seung-Jin Yoo ¹ , Eun-jung Kim ¹ , Ki Chung Paik ¹	Dankook University Medical Center Environmental Health Center ¹	Associations between urinary cotinine and symptoms of attention deficit/hyperactivity disorder and autism spectrum disorder	

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P02-13	Kyoung-Nam Kim ¹ , Youn-Hee Lim ² , Choong Ho Shin ³ , Young Ah Lee ³ , Yun-Chul Hong ^{2,4}	Seoul National University Hospital Institute of Public Health and Medical Service ¹ , Seoul National University College Environmental Health Center ² , Seoul National University College of Medicine Department of Pediatrics ³ , Seoul National University College of Medicine Department of Preventive Medicine ⁴	Association between phthalate exposure and thyroid stimulating hormone levels among preschool-age children
P02-14	Kyung-Shin Lee ^{1,2} , Young Ah Lee ³ , Choong ho Shin ³ , Youn-Hee Lim ^{1,2} , Yun-Chul Hong ^{1,2,4}	Seoul National University Medical Research Center Institute of Environmental Medicine ¹ , Seoul National University College of Medicine Environmental Health Center ² , Seoul National University College of Medicine Pediatrics ³ , Seoul National University College of Medicine Preventive Medicine ⁴	Association between urinary 3-phenoxybenzoic acid and body mass index z-score (BMIz) of 4-year-old children.
P02-15	Machiko Minatoya ^{1,2} , Keiko Yamazaki ^{1,2} , Sachiko Itoh ^{1,2} , Chihiro Miyashita ^{1,2} , Atsuko Araki ^{1,2} , Sumitaka Kobayashi ^{1,2} , Yu Ait Bamai ^{1,2} , Naomi Tamura ^{1,2} , Yoshiya Ito ^{2,3} , Reiko Kishi ^{1,2}	Dr. B.R. Ambedkar University, Khandari Campus, Agra-282002, India Department of Chemistry ¹	Autism Spectrum Disorder screening in general Japanese toddlers using M-CHAT: an adjunct study of the Japan Environment & Children's Study.
P02-16	Madhu _ Anand ¹ , Ajay _ Taneja ¹	Dr. B.R. Ambedkar University, Khandari Campus, Agra-282002, India Department of Chemistry ¹	Levels of DDT/HCH in Placenta and Their Association with Birth Size
P02-17	Ratchaneewan Sinitkul ^{1,2,3} , Richard J Maude ^{2,3,4} , Teerarat Tassanapitikul ¹ , Adisak Plitponkarnpim ¹	Faculty of Medicine Ramathibodi Hospital, Mahidol University, Bangkok. Pediatrics Department ¹ , Faculty of Tropical Medicine, Mahidol University, Bangkok. Mahidol-Oxford Tropical Medicine Research Unit ² , Nuffield Department of Medicine, University of Oxford, Oxford. Centre for Tropical Medicine and Global Health ³ , Harvard University, Boston. Harvard Th Chan School of Public Health ⁴	The Prevalence of and Factors Associated with Lead Exposure in Children in Bangkok and two Industrialised Provinces in Thailand
P02-18	Seulbi Lee ¹ , Yun-Chul Hong ² , Yangho Kim ³ , Mina Ha ⁴ , Hyesook Park ⁵ , Eunhee Ha ⁶	Ewha Womans University Department of Medical Science, College of Medicine ¹ , Seoul National University Department of Preventive Medicine, College of Medicine ² , Ulsan University Hospital, University of Ulsan College of Medicine Department of Occupational and Environmental Medicine ³ , Dankook University Department of Preventive Medicine, College of Medicine ⁴ , Ewha Womans University Department of Preventive Medicine, College of Medicine ⁵ , Ewha Womans University Occupational and Environment Medicine, College of Medicine ⁶	Combined effect of prenatal exposure to multiple pollutants on birth weight using two supervised machine learning methods with principle components analysis
P02-19	Shinhee Ye ¹ , Eun-kyo Park ¹ , Yumin Lee ¹ , Byung-Mi Kim ² , Yun-Chul Hong ³ , Mina Ha ⁴ , Yangho Kim ⁵ , Hyesook Park ¹ , Eun-Hee Ha ¹	School of Medicine, Ewha Womans University Department of environmental and occupational medicine ¹ , National Cancer Control Institute, National Cancer Center Division of Cancer Prevention ² , Seoul National University College of Medicine Department of Preventive Medicine ³ , Dankook University College of Medicine Department of Preventive Medicine ⁴ , Ulsan University Hospital, University of Ulsan College of Medicine Department of Occupational and Environmental Medicine ⁵	Interactions between maternal GSTM1 polymorphism and prenatal polycyclic aromatic hydrocarbons exposure on atopic dermatitis at 24 months
P02-20	Su Hyun . Shim ¹ , Dong-Hun . Han ²	Kyungbok University Department of Dental Hygiene ¹ , Seoul National University School of Dentistry Department of Preventive and Social Dentistry ²	Association between height and periodontitis in different birth cohorts of Korea
P02-21	Woo-Seok Lee ¹ , Youn-Hee Lim ² , Yun-Chul Hong ^{1,2,3}	Seoul National University College of Medicine Department of Preventive Medicine ¹ , Seoul National University Medical Research Center Institute of Environmental Medicine ² , Seoul National University College of Medicine Environmental Health	Growth parameters in 6-year old children exposed to Manganese from fruit consumption
P02-22	Young-Min Kim ^{1,2} , Inbo Oh ³ , Jihyun Kim ^{1,2} , Yoon-Hee Kang ⁴ , Kangmo Ahn ^{1,2}	Samsung Medical Center Environmental Health Center for Atopic Diseases ¹ , Sungkyunkwan University School of Medicine Department of Pediatrics, Samsung Medical Center ² , University of Ulsan College of Medicine Environmental Health Center ³ , Pusan National University The Institute of Environmental Studies ⁴	The effect of ambient nitrogen dioxide on the acute symptoms of atopic dermatitis in young children: Applying the Community Multiscale Air Quality (CMAQ) Model
P02-23	Prince Narh Pupilampu ¹ , Stella Nako Kubi ²	University of Health and Allied Sciences School of Medicine ¹ , University of Cape Coast School of Medicine ²	The Prevalence of Malaria in Children under five years: Knowledge, attitudes and practices of caregivers at Dominase in the Amansie West District, Ashanti Region. Ghana